

Thermohygrometers with Calibration

Optional probe lets you calculate T1–T2 differential

Compact meter displays relative humidity and temperature simultaneously, along with dew point, wet bulb, or probe temperature on a large LCD. Features include a choice of readings in °F or °C, Min/Max, data hold, and auto power off. Unique sensor cap closes to protect the sensor during storage. Advanced features include the calculation of T1-T2 temperature differential with external temperature probe 37803-18 (sold separately).

Model RH350 also features superheat function, data logging, dual probe input, and RS-232 output.



37813-11

Data Logging Thermohygrometer with SD Card Memory

Easily transfer data using an SD card from your meter to a PC

This thermohygrometer records data onto a standard SD memory card—the advantage being that when the memory is full, the SD card can be simply changed out for unlimited data storage. The data is provided in Excel®, allowing you to easily analyze information without the need for additional software.

Meter features automatic temperature compensation for dew point, wet bulb, and thermocouple measurements; plus it accepts an optional type K thermocouple for measuring surface temperature. User-settable parameters include date, time, sampling time, temperature unit of measure, comma or period decimal division, and auto power off.

- Four measurements: humidity, dew point, wet bulb, and temperature
- Adjustable data logging sampling time is settable from 1 second to 1 hour



37813-68

SPECIFICATIONS			
Parameters	Range	Resolution	Accuracy
Humidity	0 to 100%	0.1%	±3% of reading
Temperature	-4 to 122°F (-20 to 50°C)	0.1°F (0.1°C)	±1.8°F (±1°C)
Probe temperature	-4 to 158°F (-20 to 70°C)	—	—
Dew point	Included*		
Wet bulb	Included*		
Response time	60 seconds		
Display	Triple LCD		
Dimensions (L x W x H)	7" x 2" x 1" (178 x 51 x 25 mm)		
Power	Two AAA batteries		

*Meter takes the information gathered from the sensors and calculates dew point and wet bulb.

What's included Model RH300 comes with two AAA batteries. Model RH350 adds two temperature probes. Kit RH305 includes one temperature probe 37803-18, RH calibration standard salts, carrying case, and two AAA batteries.

Catalog No.	Model No.	Description
TS-37813-10	RH300	Thermohygrometer with single type K input
TS-37813-11	RH305	Thermohygrometer kit with single type K input
TS-37813-12	RH350	Thermohygrometer with dual type K inputs and data logging
Accessories		
TS-37813-15	RH300-CAL	RH calibration kit, 33% and 75%
TS-37813-18	TP890	Thermistor temperature probe
TS-09386-10	—	Replacement batteries, AAA. Pack of 12
TS-17040-28	—	NIST-traceable calibration with data

SPECIFICATIONS			
Parameters	Range	Resolution	Accuracy
Humidity	5 to 95%	0.1%	±3%
Temperature	32 to 122°F (0 to 50°C)	0.1°F (0.1°C)	±1.8°F (±1°C)
Probe temperature	-148 to 2372°F (-100 to 1300°C)	0.1°F (0.1°C)	±(0.4% + 1.8°F/1°C)
Dew point*	-13.5 to 120.1°F (-25.3 to 48.9°C)		
Wet bulb†	-6.9 to 122°F (-21.6 to 50°C)		
Data logging	Manual store/recall; auto store up to 20,000 records using 2G SD card		
Output	SD card and RS-232 interface		
Display	Triple-line backlit LCD		
Dimensions (L x W x H)	7" x 2¾" x 1¾" (177 x 68 x 45 mm)		
Power	Six AA batteries (not included)		

*Meter takes the information gathered from the sensors and calculates dew point and wet bulb.

What's included: Humidity/temperature probe, 2 GB SD memory card, and soft carrying case.

Catalog No.	Model No.	Description
TS-37813-68	DTH3007SD	Data logging thermohygrometer with SD card memory
Accessories		
TS-37813-70	SDRD1	SD card reader with USB interface
TS-37813-09	AC1	9 VDC adapter for 110 VAC power supply
TS-08526-55	—	General-purpose thermocouple type K probe
TS-09386-01	—	Batteries, AA. 4/pk
TS-17040-28	—	NIST-traceable calibration with data